

BREVI BOT – A TEXT SUMMARIZER

A Project work submitted to Fatima College (Autonomous) affiliated to
Madurai Kamaraj University in partial fulfilment of the requirements for the
Degree of Bachelor of Science in Computer Science

Submitted by

J. ANTO MULLAR WILLMA (2021B07)



DEPARTMENT OF COMPUTER SCIENCE

FATIMA COLLEGE(Autonomous)

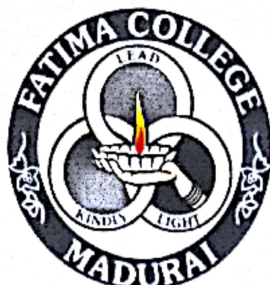
Re – Accredited with 'A++' Grade by NAAC (IV Cycle)

Mary Land, Madurai – 18

APRIL – 2024

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 18

DEPARTMENT OF COMPUTER SCIENCE



BONAFIDE CERTIFICATE

This is to certify that this project entitled “**BREVI BOT – A TEXT SUMMARIZER**” is a bonafide record of the project work done by **J. ANTO MULLAR WILLMA (2021B07)** in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva – Voce Examination held on 25/03/2024

Sindya
INTERNAL EXAMINER
25/3/24

J. N. Al 25/3/24
EXTERNAL EXAMINER

DECLARATION

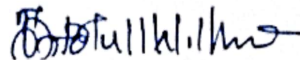
I hereby declare that the project entitled "**BREVI BOT – A TEXT SUMMARIZER** " is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfillment of the degree of Bachelor of Science in Computer Science during the academic year 2023-2024.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

Place : Madurai

Signature

Date : 25/03/2024



J.ANTO MULLAR WILLMA (2021B07)



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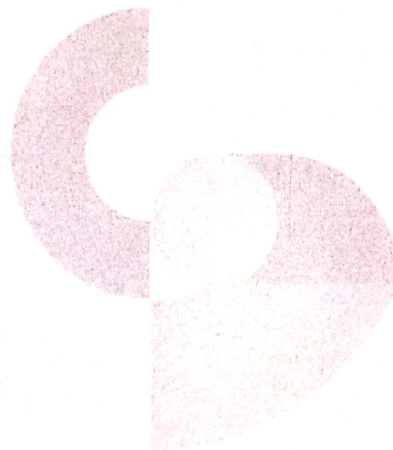
January 4, 2024

TO WHOMSOEVER IT MAY CONCERN

Dear Anto,

This is to certify that **Anto Mullar Willma J (2021B07)** sixth semester, B.Sc Computer Science student at **Fatima College, Madurai**, has completed her internship titled **Artificial Intelligence with Python** from **December 4, 2023** to **January 4, 2024**.

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ACKNOWLEDGMENT

I express my sincere thanks to **Dr. Sr. G. CELINE SAHAYA MARY., M.B.A, FDP, Ph.D. DLitt.,** Principal, Fatima College, Madurai for giving me a comfortable environment.

I express my sincere thanks to **Dr. S. VIDYA M.Sc., M.Phil., Ph.D.,(HOD),** for her extensive support rendered to carry out this project successfully. I owe my special thanks to her and Department of Computer Science for the valuable guidance and encouragement.

I extend my appreciation to the Library management for providing the necessary resources and support for the project. Special thanks to **Dr. C. Sujatha, M.A., MLISC., M.Phil., SET., PGDCA., Ph.D.,** the Librarian, for her diligent assistance.

I would like to thank all the staff members of the Department of Computer Science, Fatima College, for their valuable suggestions at different stages of this project work.

I also express my gratitude to all the dedicated staff and laboratory assistants of the **Department of Computer Science** for their invaluable support and guidance.

ABSTRACT

The user-centric chatbot is meticulously crafted to prioritize user engagement, offering an array of tasks for enhanced interaction, notably featuring text summarization and article condensation capabilities. The text summarization process entails a meticulously crafted series of steps aimed at distilling the essence of provided texts into concise summaries. Initially, the text undergoes preprocessing using the SpaCy library, where it is tokenized into individual words and sentences, thereby enabling efficient subsequent processing. Subsequently, word frequency analysis is conducted, excluding common stop words and punctuation marks, to discern the significance of each word in conveying the underlying message.

Furthermore, the article condensation component offers a unified solution for summarizing content sourced from both URLs and arbitrary input texts. Initially, it attempts to access the provided URL, extracting article content upon successful access. The extracted content undergoes summarization, with the length of the summary customizable based on user preferences.

By seamlessly integrating URL processing and text summarization functionalities, this comprehensive approach equips users with an efficient tool for extracting essential information from a diverse range of sources, thereby enhancing user experience and facilitating informed decision-making.